

AMENDMENT TO THE SPECIFICATION

In the Specification:

Please insert the Sequence Listing consisting of fifty sheets, provided herewith, into the application. The Sequence Listing is provided, as required, to comply with the requirements of 37 C.F.R. § 1.821 through 1.825. I hereby submit that the Sequence Listing contains no new matter.

In addition, kindly amend the specification at page 15, lines 18-20, as follows:

Fig. 2. is a list of exemplary inhibitors of cell death (SEQ ID NOs: 1-52).

Fig. 3 is a list of standard kits that can be used to measure the level of cell death (SEQ ID NOs: 53-108).

Finally, kindly delete the paragraph on page 17, lines 15-26.

DETAILED DESCRIPTION

Role of Cell Death in Autoimmune Disease

~~A unique characteristic of autoimmune cells is that they frequently exhibit heightened apoptosis sensitivity. This sensitivity in the memory cell can be potentiated by TNF- α due to a link to NF- κ B and proteasome defects. According to the present non-limiting theory of the invention, multiple cell death pathways exist in a cell, and any one or more of these cell death-related pathways are defective in autoimmune cells, accentuating the sensitivity of these cells to cell death. For example, susceptibility to TNF- α induced apoptosis could occur via a failed~~

cell death inhibition pathway (e.g., by defective production and activation of the transcription factor NF- κ B, as in the NOD mouse). Furthermore, it is known that there are two different TNF- α